

Ser. No. 10/521,485
Internal Docket No. PF020090

Customer No. 24498

Listing and Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) Method A method for testing an appliance having a smart card reader ~~for an operation with a smart card, said method comprising steps of:~~

~~by using~~ receiving a test adapter ~~being inserted into the~~ into said smart card reader for testing ~~of the~~ said appliance, the said test adapter having a plurality of contacts being used as an interface to the ~~that~~ connect to a corresponding plurality of contacts of said smart card reader;

providing a reset signal for an activation of a smart card;

beginning a test mode initialization for testing said appliance via said test adapter if a response to said reset signal is negative; and

~~, and using a contact of the~~ using a first one of said contacts of said smart card reader as a serial interface for ~~testing of the~~ transmitting signals in accordance with an RS232 standard to test said appliance, which wherein said first contact of said smart card reader is not used by the said appliance during an operation with a said smart card and ~~, wherein one of the smart card contacts used for testing of the appliance is the~~ and is a smart card contact for the a programming voltage VPP, said contact being used as an input for transmit signals in accordance with a RS-232 serial port.

2. (currently amended) Method ~~according to~~ The method of claim 2 1, wherein the said test adapter is coupled via a cable to a computer, and ~~that as a further smart card contact for testing of the appliance a contact for data in/out is used, for operation of the test adapter as a serial interface in connection with the computer~~ a second one of said contacts of said smart card reader is used as a second serial interface for transmitting signals between said computer and said appliance via said test adapter when testing said appliance.

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3. (currently amended) ~~Method according to~~ The method of claim 1, wherein ~~the said~~ appliance is a digital set-top box or a digital satellite receiver and ~~the said~~ method for testing ~~of the said~~ appliance is a Factory Functional Test or an aftersales diagnostics test.

4. (currently amended) ~~Appliance with~~ An appliance, comprising:
a smart card reader ~~for an operation with a smart card,~~ having a plurality of contacts, wherein ~~one contact of the smart card reader,~~ a first one of said contacts which is not used by ~~the said~~ appliance during normal operation with a smart card, ~~is being used as a serial port for testing of the said appliance; and~~
wherein said appliance provides a reset signal via a second one of said contacts for an activation of said smart card, and begins a test mode initialization for testing said appliance via a test adapter inserted into said smart card reader if a response to said reset signal is negative.

5. (currently amended) ~~Appliance according to~~ The appliance of claim 4, wherein ~~one of the smart card contacts used for testing of the appliance is the said~~ first contact is a smart card contact for ~~the a~~ programming voltage VPP.

6. (currently amended) ~~Appliance according to~~ The appliance of claim 5, wherein the said contacts used for testing ~~of the said~~ appliance are include said first contact, a supply voltage input, ~~the programming voltage VPP contact,~~ a data In/Out contact and a ground contact.

7. (currently amended) ~~Appliance according to~~ The appliance of claim 6, wherein ~~the contact for said~~ data In/Out contact is coupled to a buffer circuit, and ~~after amplification by the buffer circuit is coupled to a DIN contact as well as to and~~ a receive contact of a ~~RS32 internal~~ an RS232 interface.

8. (cancelled)

9. (currently amended) ~~Appliance according to~~ The appliance of claim 4, wherein ~~the said~~ appliance is a digital set-top box or a digital satellite receiver and

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~~the method for said~~ testing of ~~the said~~ appliance is includes a Factory Functional Test or an after sales diagnostics test.

10. (new) A method for testing an appliance having a smart card reader, said method comprising steps of:

receiving a test adapter in said smart card reader, said test adapter having a plurality of contacts that connect to a corresponding plurality of contacts of said smart card reader;

providing a reset signal for an activation of a smart card;

beginning a test mode initialization for testing said appliance with a computer via said test adapter if a response to said reset signal is negative; and

using a first one of said contacts of said smart card reader as a serial interface for transmitting signals between said appliance and said computer to test said appliance, wherein said first contact of said smart card reader is not used by said appliance during an operation with said smart card.

11. (new) The method of claim 10, wherein said test adapter is coupled via a cable to said computer, and a second one of said contacts of said smart card reader is used as a second serial interface for transmitting signals between said appliance and said computer via said test adapter when testing said appliance.